

CLAIMS

1. A fluorine resin tubular article comprising a polytetrafluoroethylene-based fluorine resin as a constitutional element, wherein the tubular article has a maximum wall thickness of 20  $\mu\text{m}$  or less, and satisfies following (1) and/or (2) properties:

(1) tensile elastic moduli in a circumferential direction and a tube axial direction are both 900 N/mm<sup>2</sup> or greater; and  
(2) tensile stresses at 5% elongation in a circumferential direction and a tube axial direction are both 15 N/mm<sup>2</sup> or greater.

2. The fluorine resin tubular article according to claim 1, wherein the fluorine resin tubular article having both tensile elastic moduli in a circumferential direction and a tube axial direction of 900 N/mm<sup>2</sup> or greater, is formed by winding and laminating a fluorine resin thin film having a tensile elastic modulus of 500 N/mm<sup>2</sup> or greater in any plane direction two or more times.

3. The fluorine resin tubular article according to claim 1, wherein the fluorine resin tubular article having both tensile stresses at 5% elongation in a circumferential direction and a tube axial direction of 15 N/mm<sup>2</sup> or greater,

is formed by winding and laminating a fluorine resin thin film having a tensile stress at 5% elongation of  $20\text{ N/mm}^2$  or greater in any plane direction two or more times.

4. The fluorine resin tubular article according to claim 1, wherein the tubular article has surface roughness ( $\text{Ra}$ ) of  $0.5\text{ }\mu\text{m}$  or less.

5. The fluorine resin tubular article according to claim 1, wherein the tubular article is such that an inner surface is surface-treated for improving adhesibility.

6. A fixing roll, characterized in that the fixing roll has the fluorine resin tubular article as defined in claim 1 in a superficial layer.

7. A fixing belt, characterized in that the fixing belt has the fluorine resin tubular article as defined in claim 1 in a superficial layer.

8. An image fixing apparatus, characterized in that the image fixing apparatus has the fixing roll as defined in claim 6.

9. An image fixing apparatus, characterized in that the

image fixing apparatus has the fixing belt as defined in claim  
7.